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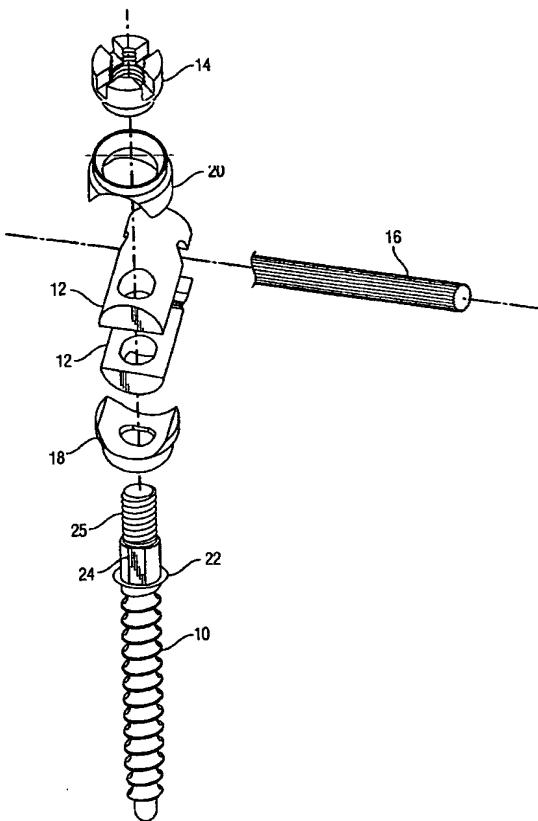
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[Continued on next page]

(54) Title: MULTI-AXIAL POSITIONING SYSTEM FOR A SURGICALLY-IMPLANTED SPINAL SUPPORT



(57) Abstract: A surgically-implanted spinal support having at least one screw (10) embedded in the bone of the patient's spinal column. Clamps (12) held between yokes (18) (washers) mounted on the screw (10) and secured by nut (11). A rod (16) received in slots in the clamps. The end connecting spaced-apart screws. A method of use is disclosed.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/02497

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 17/58
US CL : 606/61

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 606/61,72,73

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,648,388 A (STEFFEE) 10 March 1987 (10.03.1987), See all figures and col. 1, line 1, through col. 6, line 67.	11
X	US 5,938,663 A (PETRETO) 17 August 1999 (17.08.1999), See all figures.	11
X	US 6,123,706 A (LANGE) 26 September 2000 (26.09.2000), See all figures.	11
X	US 5,222,954 A (BAKER et al) 29 June 1993 (29.06.1993), See all figures.	11
X	U.S. 5,084,048 A (JACOB et al) 28 January 1992 (28.01.1992), See all figures.	11

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/02497

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claim Nos.: 1-10
because they relate to subject matter not required to be searched by this Authority, namely:
Please See Continuation Sheet

2. Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claim Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Box I Observations where certain claims were found unsearchable 1. because they relate to subject matter not required to be searched by this Authority, namely:

Claims 1-10 include a human within their scope and are non-statutory. In claim 1, lines 1 and 2, applicant positively recites part of a human, i.e. "at least two screws are embedded into a patient's spinal column". In claim 8, line 20, applicant positively recite part of a human, i.e. "each screw being adjustably embedded at a preselected angle and depth into the patient's spinal columns". In claim 10, lines 12 and 13, applicant positively recite part of a human, i.e. "the screw being adjustably anchored at a preselected angle and depth into the bone portion of the patient's spine". Thus claims 1-10 include a human within their scope and are non-statutory.